

**Amendments to the Claims:** This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

Claims 1-26 (canceled).

27. (Currently Amended) The camera for shape measuring or object extracting, having light-emitting means for irradiating an object with projected light having a specified radiation pattern, for image-picking up reflected light of said light-emitting means from said object to obtain a depth image using light intensity of the image picked up, ~~characterized by comprising:~~

object extracting means for extracting only an object which exists less than a distance denoted by the user, or only an object which exists within a range of a distance denoted by the user by using said depth image picked up.

28. (Original) The camera according to claim 27, characterized in that a portion taken for the background or foreground by a malfunction in said extracting process is denoted by touching said touch panel by the user, whereby said erroneous background or foreground extracting operation can be corrected.

Claims 29-32 (canceled).

33. (Currently Amended) A camera for shape measuring or object extracting, having comprising light-emitting means for irradiating an object with projected light having a specified radiation pattern, for image-picking up reflected light of said light-emitting means from said object to obtain a depth image using light intensity of the image picked up,

~~characterized in that~~ said camera serves dually as a video camera capable of picking up a motion image to record it in a recording medium while said light-emitting means does not emit any light, and

~~characterized in that~~ an index signal is added, to image data picked up when said light-emitting means emits light, and a depth image is calculated using only a specified image to which said index signal has been added.

Claim 34 (canceled).

35. (Currently Amended) The camera according to claim 27, ~~characterized in that~~ wherein said object extracting part extracts a color image for only an object which exists less than a distance denoted by the user, or only an object which exists within a range of a distance denoted by the user.